

Form PTO-1449 (modified)

Atty. Docket No.  
UTSC:643US/SLHSerial No.  
09/872,162

List of Patents and Publications for Applicant's

Applicant  
Isaiah J. Fidler, *et al.*

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Filing Date:  
May 31, 2001Group:  
Unknown 1636U.S. Patent Documents  
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## U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
QN	A1	4,215,051	7/29/80	Schroeder <i>et al.</i>	260	346.7	8/29/79
	A2	4,745,051	5/17/88	Smith <i>et al.</i>	435	68	5/27/83
	A3	4,879,236	11/7/89	Smith <i>et al.</i>	435	235	4/16/87
	A4	5,077,214	12/31/91	Guarino <i>et al.</i>	435	240.2	7/7/89
	A5	5,155,037	10/13/92	Summers	435	240.2	8/4/89
	A6	5,162,222	11/10/92	Guarino <i>et al.</i>	435	240.2	9/17/90
	A7	5,169,784	12/8/92	Summers <i>et al.</i>	435	320.1	9/17/90
	A8	5,278,050	1/11/94	Summers	435	69.1	6/3/92
	A9	5,495,540	3/12/96	Sawyer <i>et al.</i>	435	240.2	12/22/94
QN	A10	5,759,809	6/2/98	Iatrou	435	69.1	3/1/96

## Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B1	6166635	6/14/94	Japan			No
QN	B2	WO 89/01038	2/9/89	PCT			
	B3	WO 93/07906	4/29/93	PCT			
	B4	WO 99/24049	5/20/99	PCT			
	B5	WO 00/20561	4/13/00	PCT			
QN	B6	WO 00/55345	9/21/01	PCT			

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## Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
QW	C1	Ayres <i>et al.</i> , "The Complete DNA Sequence of <i>Autographa californica</i> Nuclear Polyhedrosis Virus," <i>Virology</i> 202:586-605, 1994.
	C2	Bernards, <i>et al.</i> , "Effective Tumor Immunotherapy Directed Against An Oncogene-Encoded Product Using A Vaccinia Virgus Vector," <i>Proc. Nat'l Acad. Sci. USA</i> , 84:6854-6858, 1987.
	C3	Blissard and Rohrmann, "Location, Sequence, Transcriptional Mapping, and Temporal Expression of the gp64 Envelope Glycoprotein Gene of the <i>Orgyia pseudotsugata</i> Multicapsid Nuclear Polyhedrosis Virus," <i>Virology</i> 170:537-555, 1989.
	C4	Blissard and Rohrmann, "Baculovirus Diversity and Molecular Biology," <i>Annu. Rev. Entomol.</i> 35:127-155, 1990.
	C5	Carson <i>et al.</i> , "Functional Mapping of an AcNPV Immediately Early Gene Which Augments Expression of the IE-1 <i>trans</i> -Activated 39K Gene," <i>Virology</i> , 162:444-451, 1988.
	C6	Carson <i>et al.</i> , "Transient Expression of the <i>Autographa californica</i> Nuclear Polyhedrosis Virus Immediate-Early Gene, IE-N, Is Regulated by Three Viral Elements," <i>J. Virol.</i> , 65:945-951, 1991.
	C7	Charlton and Volkman, "Penetration of <i>Autographa californica</i> Nuclear Polyhedrosis Virus Nucleocapsids into IPLB Sf 21 Cells Induces Actin Cable Formation," <i>Virology</i> , 197, 245-254, 1993.
	C8	DeGiovanni <i>et al.</i> , Immunological and Non-Immunological Influence of H-2K <sup>b</sup> Gene Transfection On The Metastatic Ability of B16 Melanoma Cells," <i>Int. J. Cancer</i> , 48:270-276, 1991..
	C9	Dinney <i>et al.</i> , "Inhibition of Basic Fibroblast Growth Factor Expression, Angiogenesis, and Growth of Human Bladder Carcinoma in Mice by Systemic Interferon- $\alpha$ Administration," <i>Cancer Res.</i> , 58: 808-814, 1998.
	C10	Dong <i>et al.</i> , "Suppression Of Tumorigenicity And Metastasis In Murine UV-2237 Fibrosarcoma Cells By Infection With A Retroviral Vector Harboring The Interferon-Beta Gene," <i>Cancer Immuno. Immunother.</i> , 46: 137-146, 1998.
QW	C11	Dong <i>et al.</i> , "Suppression of Angiogenesis, Tumorigenicity, and Metastasis by Human Prostrate Cancer Cells Engineered to Produce Interferon- $\beta$ ," <i>Cancer Res.</i> , 59: 872-879, 1999.

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		Filing Date: May 31, 2001	Group: <del>Unknown</del> 1636
U.S. Patent Documents See Page 1	Foreign Patent Documents See Page 1	Other Art See Page 2	



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QW	C12	Dranoff <i>et al.</i> , "Vaccination With Irradiated Tumor Cells Engineered To Secrete Murine Granulocyte-Macrophage Colony-Stimulating Factor Stimulates Potent, Specific, And Long-Lasting Anti-Tumor Immunity," <i>Proc. Nat'l Acad. Sci. USA</i> , 90:3539-3543, 1993.
	C13	Einhorn and Grander, "Why do so many cancer patients fail to respond to interferon therapy?" <i>J. Interferon and Cytokine Res.</i> , 16:275-281, 1996.
	C14	Elliott <i>et al.</i> , "Perspectives on the Role of MHC Antigens in Normal and Malignant Cell Development," <i>Adv. Cancer Res.</i> , 53:181-245, 1989.
	C15	Estin <i>et al.</i> , "Recombinant Vaccinia Virus Vaccine Against The Human Melanoma Antigen P97 For Use In Immunotherapy," <i>Proc. Nat'l Acad. Sci. USA</i> , 85: 1052-1056, 1988.
	C16	Fabra <i>et al.</i> , "Modulation Of The Invasive Phenotype Of Human Colon Carcinoma Cells By Organ Specific Fibroblasts Of Nude Mice," <i>Differentiation</i> , 52: 101-110, 1992.
	C17	Fidler, "Critical determinants of cancer metastasis: rationale for therapy," <i>Cancer Chemother. Pharmacol.</i> , 43 suppl:S3-S10, 1999.
	C18	Flannery and Sandy, "Aggrecan catabolism in cartilage: Studies on the nature of a novel proteinase (aggrecanase) which cleaves the Glu373-Ala374 bond of the interglobular domain," 39 <sup>th</sup> Annual Meeting of Orthopaedic Research Society, page 190, 1993.
	C19	Gariglio <i>et al.</i> , "Therapeutic uterine-cervix cancer vaccines in humans," <i>Arch. Med. Res.</i> , 29:279-284, 1998.
	C20	Gohji <i>et al.</i> , "Regulation of Gelatinase Production in Metastatic Renal Cell Carcinoma by Organ-specific Fibroblasts," <i>Jpn. J. Cancer Res.</i> , 85: 152-160, 1994a.
	C21	Gohji <i>et al.</i> , "Human Recombinant Interferons-Beta and -Gamma Decrease Gelatinase Production and Invasion by Human KG-2 Renal-Carcinoma Cells," <i>Int. J. Cancer</i> , 58: 380-384, 1994b.
	C22	Groner, "Specificity and Safety of Baculoviruses," <i>In: The Biology of Baculoviruses</i> , R.R. Granados and B.A. Federici (Eds.), CRC Press, Boca Raton, FL., pp. 177-202, 1986.
	C23	Guarino and Smith, "Nucleotide Sequence and Characterization of the 39K Gene Region of <i>Autographa californica</i> Nuclear Polyhedrosis Virus," <i>Virology</i> , 179:1-8, 1990.
QW	C24	Guarino and Summers, "Nucleotide Sequence and Temporal Expression of a Baculovirus Regulatory Gene," <i>J. Virol.</i> , 61:2091-2099, 1987.

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QW	C25	Guarino <i>et al.</i> , "Complete Sequence and Enhancer Function of the Homologous DNA Regions of <i>Autographa californica</i> Nuclear Polyhedrosis Virus," <i>J. Virol.</i> , 60:224-229, 1986.
	C26	Guarino <i>et al.</i> , "Ubiquitin Is Attached to Membranes of Baculovirus Particles by a Novel Type of Phospholipid Anchor," <i>Cell</i> , 80:301-309, 1995.
	C27	Hooft van Iddekinge <i>et al.</i> , "Nucleotide Sequence of the Polyhedrin Gene of <i>Autographa californica</i> Nuclear Polyhedrosis Virus," <i>Virology</i> , 131:561-565, 1983.
	C28	Hu <i>et al.</i> , "Characterization of a Recombinant Vaccinia Virus Expressing Human Melanoma-Associated Antigen p97," <i>J. Virol.</i> , 62: 176-180, 1988.
	C29	Kaufman <i>et al.</i> , "A Recombinant Vaccinia Virus Expressing Human Carcinoembryonic Antigen (CEA)," <i>Int. J. Cancer</i> , 48:900-907, 1991.
	C30	Kim and Cohen, "MHC Antigen Expression by Melanomas Recovered from Mice Treated with Allogeneic Mouse Fibroblasts Genetically Modified for Interleukin-2 Secretion and the Expression of Melanoma-Associated Antigens," <i>Cancer Immunol. Immunother.</i> , 38:185-193, 1994.
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	C32	Kuzio <i>et al.</i> , "Nucleotide Sequence of the p10 Polypeptide Gene of <i>Autographa californica</i> Nuclear Polyhedrosis Virus," <i>Virology</i> , 139:414-418, 1984.
	C33	Lu <i>et al.</i> , "Eradication of primary tumors and induction of systemic immunity by an intralesional injection of baculovirus system-mediated inteferon-beta gene therapy," ABSTRACT, <i>Proc. Amer. Assoc. Cancer Res. Ann. Meeting</i> , 41:470, 2000.
	C34	Lu <i>et al.</i> , "Insect cells transduced with a baculoviral vector encoding murine interferon- $\beta$ as a novel therapeutic cancer vaccine," ABSTRACT, <i>UT MD Anderson Cancer Center, Houston, TX</i> .
	C35	Martignoni <i>et al.</i> , " <i>Baculovirus of Autographa californica</i> (Lepidoptera: Noctuidae): a Candidate Biological Control Agent for Douglas-Fir Tussock Moth (Lepidoptera: Lymantriidae)," <i>J. Econ. Entomol.</i> , 75:1120-1124, 1982.
QW	C36	McCluskie <i>et al.</i> , "Route and method of delivery of DNA vaccine influence immune responses in mice and non-human primates," <i>Mol. Med.</i> , 5:287-300, 1999.

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QW	C37	McCown <i>et al.</i> , "Protection of mice against lethal Japanese encephalitis with a recombinant baculovirus vaccine," <i>Am. J. Trop. Med. Hyg.</i> , 42(5):491-499, 1990.
	C38	Pardoll, <i>et al.</i> , "New Strategies for Active Immunotherapy with Genetically Engineered Tumor Cells," <i>Curr. Opin. Immunol.</i> , 4:619-623, 1992.
	C39	Pardoll, "Cancer Vaccines," <i>Immunol. Today</i> , 14:310-316, 1993.
	C40	Porgador <i>et al.</i> , "H-2K <sup>b</sup> Transfection of B16 Melanoma Cells Results in Reduced Tumorigenicity and Metastatic Competence," <i>J. Immunogenet.</i> , 16:291-303, 1989.
	C41	Porgador, <i>et al.</i> , "Antimetastatic Vaccination of Tumor-Bearing Mice with Two Types of IFN- $\gamma$ Gene-Inserted Tumor Cells," <i>J. Immunol.</i> , 150:1458-1470, 1993b.
	C42	Rosenberg <i>et al.</i> , "The Immunotherapy and Gene Therapy of Cancer," <i>Clin. Oncol.</i> , 10:180-199, 1992.
	C43	Ruby <i>et al.</i> , "Recombinant Virus Vectors That Coexpress Cytokines—A New Vaccine Strategy," <i>Vaccine Res.</i> , 1:347-356, 1992.
	C44	Sibille <i>et al.</i> , "Structure of the Gene of tum – Transplantation Antigen P198: A Point Mutation Generates a New Antigenic Peptide," <i>J. Ex. Med.</i> , 172:35-45, 1990.
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	C47	Singh <i>et al.</i> , "Interferon- $\beta$ Prevents the Upregulation of Interleukin-8 Expression in Human Melanoma Cells," <i>J. Interferon Cytokine Res.</i> , 16:577-584, 1996b.
	C48	Singh and Fidler, "Systemic Administration of Interferons for Inhibition of Cancer Metastasis," <i>In: Clinical Application of Interferons</i> , (ed. Stuart-Harris and Penney), pp. 391-405, Chapman & Hall, London, 1997.
QW	C49	Smith and Blobel, "The First Membrane Spanning Region of the Lamin B Receptor Is Sufficient for Sorting to the Inner Nuclear Membrane," <i>J. Cell Biol.</i> , 120:631-637, 1993.

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QW	C50	Stokes <i>et al.</i> , "High level expression of equine herpesvirus 1 glycoproteins D and H and their role in protection against virus challenge in the C3H (H-2K) murine model," <i>Viris Res.</i> , 50:159-173, 1997.
	C51	Stokes <i>et al.</i> , "The expression of the proteins of equine herpesvirus 1 which share homology with herpes simplex virus 1 glycoproteins H and L," <i>Virus Res.</i> , 40:91-107, 1996.
	C52	Tanaka <i>et al.</i> , "Role of the Major Histocompatibility Complex Class I Antigens in Tumor Growth and Metastasis," <i>Ann. Rev. Immunol.</i> , 6:359-380, 1988.
	C53	Thiem and Miller, "Identification, Sequence, and Transcriptional Mapping of the Major Capsid Protein Gene of the Baculovirus <i>Autographa californica</i> Nuclear Polyhedrosis Virus," <i>J. Virol.</i> , 63:2008-2018, 1989.
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QN	A11	5,098,702	3/24/92	Zimmerman <i>et al.</i>	424	85.21	6/26/89

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QN	B7	WO 98/25574	6/18/98	PCT			

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Exam. Init.	Ref. Des.	Citation
QN	C60	Naftzger <i>et al.</i> , "Immune response to a different antigen induced by altered antigen: a study of tumor rejection and autoimmunity," <i>Proc. Natl. Acad. Sci., USA</i> , 93:14809-14814, 1996.
QN	C61	Sun <i>et al.</i> , "DNA as an adjuvant: capacity of insect DAN and synthetic oligodeoxynucleotides to augment T cell responses to specific antigen," <i>J. Exp. Med.</i> , 187:1145-1150, 1998.

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